

ASPE DFW Newsletter

June 2024



President: Brett McQueen, CPD



Dear Members of the American Society of Plumbing Engineers, As I pen this farewell message, I am filled with a sense of gratitude and pride for the opportunity to have served as the President of the ASPE Dallas/Fort Worth Chapter over the past two years. Our journey together has been marked by remarkable achievements, unwavering dedication, and a shared commitment to excellence in the plumbing engineering profession. Reflecting on the past two years, I am reminded of the many milestones we have reached together. From hosting educational seminars and workshops to fostering networking opportunities and professional development, our chapter has continually strived to enhance the knowledge and skills of our members. These accomplishments would not have been possible without the collective effort and passion of each one of you.

I am particularly proud of our initiatives aimed at promoting sustainability and innovation in plumbing design. Our chapter has been at the forefront of advocating for environmentally responsible practices and embracing new technologies that shape the future of our industry. The collaborative spirit and forward-thinking mindset with-

in our community have been truly inspiring.

I want to extend my heartfelt thanks to the dedicated board members, volunteers, and committee chairs who have worked tirelessly alongside me. Your support, enthusiasm, and hard work have been instrumental in driving our chapter's success. I am confident that under the new leadership, our chapter will continue to thrive and reach new heights.

To our members, I am deeply grateful for your trust and active participation. Your commitment to professional growth and willingness to share your expertise have been the cornerstone of our chapter's achievements. I encourage you to remain engaged, seek out new opportunities for learning, and continue to support one another in your professional endeavors.

As I step down from the presidency, I look forward to remaining an active member of this vibrant community. I am excited to see the continued progress and innovation that will undoubtedly shape the future of the ASPE Dallas/Fort Worth Chapter. Thank you for the honor of serving as your President. It has been a rewarding and enriching experience, and I am grateful for the lasting friendships and professional connections that have been forged.

With sincere appreciation,

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2024 CPD'S

ABDELRAHMAN SALAMA IBRAHIM
ATTIA, CPD

CHRISTOPHER WARRN DIKE, CPD

ALEXEY PISLEGIN, CPD

JORGE LUIS RABAGO, CPD

VP Membership: Keith Davis



Welcome new members! Paul Garcia, Jr. (Delta Faucet), George Jammal (Bonomi)

The DFW Chapter Board of Directors appreciates help from each of you for recruiting colleagues and contacts to the ASPE DFW Chapter!

Chapter	Total	PE	CPD	CPD + PE
Chicago	300	51	67	21
Dallas/Ft. Worth	265	70	51	16
Houston	244	34	35	16
Wisconsin	163	34	14	3
Central Texas	153	31	28	4
Minnesota	148	42	24	4
Kansas City	135	45	17	7
St. Louis	126	33	26	7
Omaha	73	15	14	1
Oklahoma	70	18	7	0
Arkansas	52	11	5	0
Central Illinois	29	7	5	0
Lubbock High Plains	11	5	0	0
Region 5 Total:	1769	396	293	79

2024 Events

Chapter Events

- ◇ Golf Tournament—April 19
- ◇ Clay Shoot—August 23
- ◇ ASPE Convention Columbus Ohio—October 18-23
- ◇ Casino Night—November 8

WOA/AYP Social Events or 2024

- ◇ Trivia Night—January
- ◇ Painting with a Twist—March
- ◇ Trivia Night encore—April
- ◇ Glass Blowing—May
- ◇ Escape Room—June
- ◇ Axe Throwing—July
- ◇ Introductory Clay Shoot—August
- ◇ Bowling—September
- ◇ VR Sports Arena—October
- ◇ Arcade—December
- ◇ BBQ Pitmaster Masterclass—TBD
- ◇ Wine Making—TBD

DFW ASPE SPONSORS

PLATINUM



GOLD

SILVER



What is ASPE?

The **AMERICAN SOCIETY OF PLUMBING ENGINEERS** (ASPE) is the only organization dedicated to promoting the plumbing engineering profession to both enhance career opportunities for our members and ensure the health, safety, and well-being of the public through the design of safe plumbing, drinking water, and sanitation systems.

WHAT WE DO



Provide continuing professional education programs



Publish design manuals, tools, and standards



Host conferences, tradeshows, and networking events



Certify professionals skilled in plumbing system design



Promote safe and sustainable water and sanitation systems



Represent the industry in local and national government



Help develop safe plumbing and building codes and standards



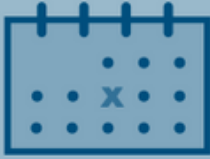
OUR MEMBERS

Our members are individuals working in various professions related to plumbing system design.

← What Is Plumbing Engineering?

Plumbing engineering is a vital part of the design/build construction process. Plumbing engineers use the principles of fluid flow with engineering calculations to design plumbing systems that transport fluids such as water, wastewater, natural gas, and rainwater throughout buildings.

BY THE NUMBERS



Founded in

1964



Number of Members Worldwide

6,500+



13

Elected Board Positions



66

Local Chapters

20+

Technical Publications



2

Special-Interest Groups for Young Professionals and Women

3

Professional Certification Programs



10

Staff Members



INDUSTRY PARTNERS

To achieve our goals, ASPE collaborates with the following organizations:

American Backflow Prevention Association

National Institute of Building Sciences

ARCSA

NSF International

ASHRAE

Plumbing Efficiency Research Coalition

ASSE International

Plumbing Industry Leadership Coalition

Canadian Institute of Plumbing & Heating

Plumbing Manufacturers International

CSA Group

United Association

IAPMO

Water Quality Association

International Code Council

World Plumbing Council

HOW YOU CAN GET INVOLVED

Contact a Chapter

Join Today!



Our Chapters host monthly meetings, golf outings, tradeshows, seminars, picnics, baseball outings, and more fun networking events to help local professionals connect.

Connect with Us





CERTIFIED IN PLUMBING DESIGNSM

CERTIFIED IN PLUMBING DESIGN (CPD), administered by the American Society of Plumbing Engineers (ASPE), is the only international certification program specifically for engineers and designers of plumbing systems. Professionals who have the CPD credential are considered to have the highest level of skills in the design and specification of plumbing systems.

EARNING & MAINTAINING THE CPD CREDENTIAL

Am I eligible?

Route 1:

4 year engineering degree + 4 years of work experience designing plumbing systems

Route 2:

8 years of work experience designing plumbing systems

Other eligibility options:



Current CPDT certification counts toward 1 year of experience

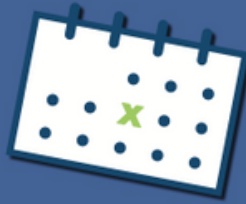


PE license counts toward 2 years of experience

When can I take the exam?



The exam is held **annually** in the spring



Registration typically opens in December prior to the exam date



You can register online at education.aspe.org

Where do I take the exam?

The CPD exam is held at **online testing centers** around the world



Did I pass or fail?

Scores are **mailed** 6 to 8 weeks after the exam



Maintaining your CPD credential

- ✓ You must earn 24 hours of continuing education every 2 years
- ✓ You can find recertification details at aspe.org/education-credentialing/cpd/recertification/

For more info:

aspe.org/education-credentialing/cpd/
or email certification@aspe.org





2024 CPD Exam Dates: April 15–26

The CPD Exam

To be eligible to take the CPD Examination, a candidate must possess:

Full ASPE membership or previously received approval to sit for the exam starting November 22, 2021; or

A minimum of four years of experience in a position of responsibility for the design of plumbing systems and possess a baccalaureate degree in a field related to engineering; or

In lieu of an accredited degree, a candidate may substitute up to an additional four years of practical experience in the design of plumbing systems, for a total of eight years, or be granted a credit of one-half year of practical experience for each full year of education in an accredited curriculum related to plumbing engineering.

CPDT Certification counts towards 1 year of experience.

Here's more about the CPD Examination:

[General exam FAQs](#)

[Exam open book policy FAQs](#)

[2023 CPD Bulletin](#)

The exam is [remote proctored](#).

[CPD eligibility form](#)

The 2024 CPD Exam fees are:

ASPE Members \$450

Nonmembers \$675

WHAT IS A Plumbing Engineer?

PLUMBING ENGINEERS are a vital part of design/build construction teams for residential, commercial, and industrial facilities. They interact with other construction trades to provide building owners with efficient, functional, and sustainable plumbing systems that protect the health, welfare, and safety of the public and prevent environmental contamination.

WHAT DO PLUMBING ENGINEERS DO?

PLUMBING ENGINEERS use the principles of fluid flow along with engineering calculations to design plumbing systems that transport fluids and gases throughout buildings. Those systems include:

$$S = \frac{\text{rpm}\sqrt{Q}}{\text{NPSH}^{0.75}}$$
$$x 2.31 - h_f L + \frac{(P_B - V_p)}{\text{Specific gravity}}$$



Domestic water systems



Wastewater



Fuel gas



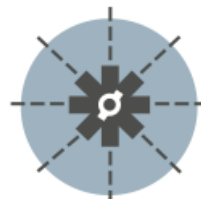
Medical gas & vacuum



Compressed air



High-purity water



Fire suppression



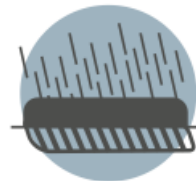
Chemical waste



Rain & stormwater systems



Venting



Site & building drainage



Water efficiency

WHAT DOES THE PROFESSION ENTAIL?

"The old adage that 'anyone can do plumbing' does not hold water anymore. A diversified and accomplished plumbing engineer is a valuable commodity in the design/build market."



PLUMBING ENGINEERS are highly skilled individuals involved in many different aspects of the design/build process, including:

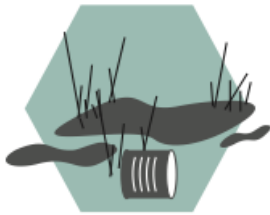
PLUMBING SYSTEM DESIGN	COMMISSIONING
PROJECT MANAGEMENT	CODE & STANDARD EXPERTISE
CONSTRUCTION ADMINISTRATION	FORENSIC & SUBSURFACE SYSTEM EVALUATION
BUILDING INFORMATION MODELING (REVIT)	COST ESTIMATION
PRODUCT & SYSTEM SPECIFICATION	PROBLEM SOLVING

PROTECTING PEOPLE & THE ENVIRONMENT

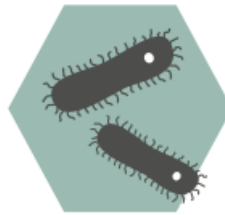
PLUMBING ENGINEERS help eliminate many of the threats that sicken people and harm the environment on a global scale by:



Delivering safe drinking water & sanitation systems



Combating groundwater contamination & depletion

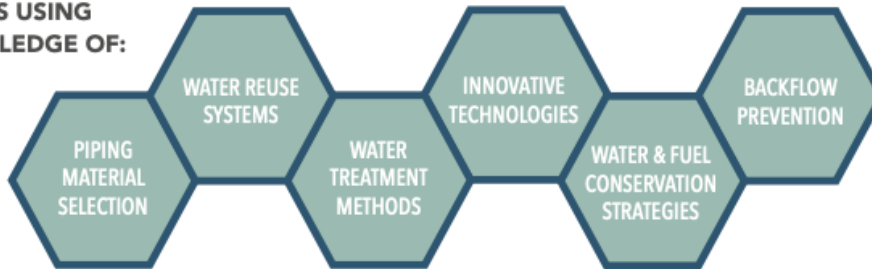


Preventing waterborne diseases



"Through their designs, plumbing engineers affect every life."

THEY DO THIS USING THEIR KNOWLEDGE OF:



HOW TO LEARN MORE

The American Society of Plumbing Engineers (ASPE) is the only association dedicated to promoting the plumbing engineering profession and helping plumbing engineers advance in their careers. Our members have a wealth of knowledge and experience and are ready to help others learn more about the industry.



To discover ASPE and find local contacts, visit:

aspe.org



Connect with Us



ASPE Mentoring Program

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

Who Is a Mentor?

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

Benefits to the mentor:

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

Who Is a Mentee?

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

Benefits to the mentee:

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

connect.aspe.org

